

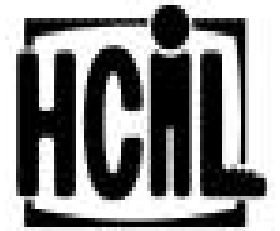
A Dynamic Query User Interface to EOSDIS

**EOSDIS Technology Transfer Workshop
(Nov. 13-17, 1995)**

HAIS, Landover, Maryland



A Dynamic Query User Interface to EOSDIS



***URL: <http://www.cs.umd.edu/projects/hcil/eosdis>
(funded by NASA GSFC)***

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University of Maryland**





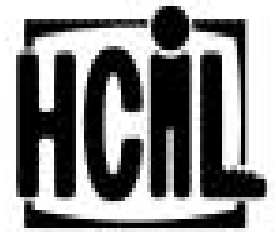
Outline:



- Objectives;
- Query Preview Approach;
- UI Architecture;
- Visual Basic Prototype;
- Unix Prototype Demo;
- Summary and future work



Two-Phase Query Formulation Approach



	Query Preview	Query Refinement
No of DataSets	Very Large	Manageable (selectable for details-on-demand)
No of Attributes	Limited	More or all the attributes
Attribute Values	Rough Ranges	More Precise or Exact Values



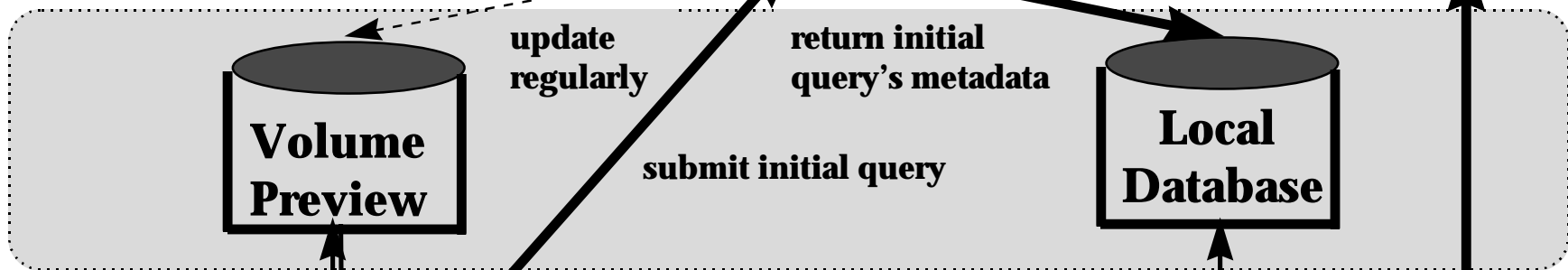
UI Architecture



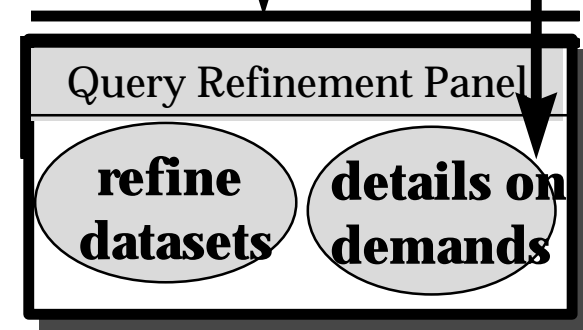
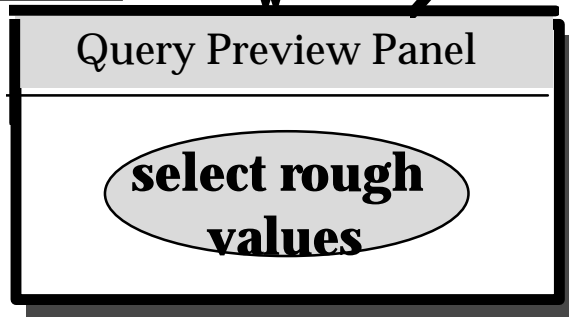
Network Level



Local Storage Level



Interface Level

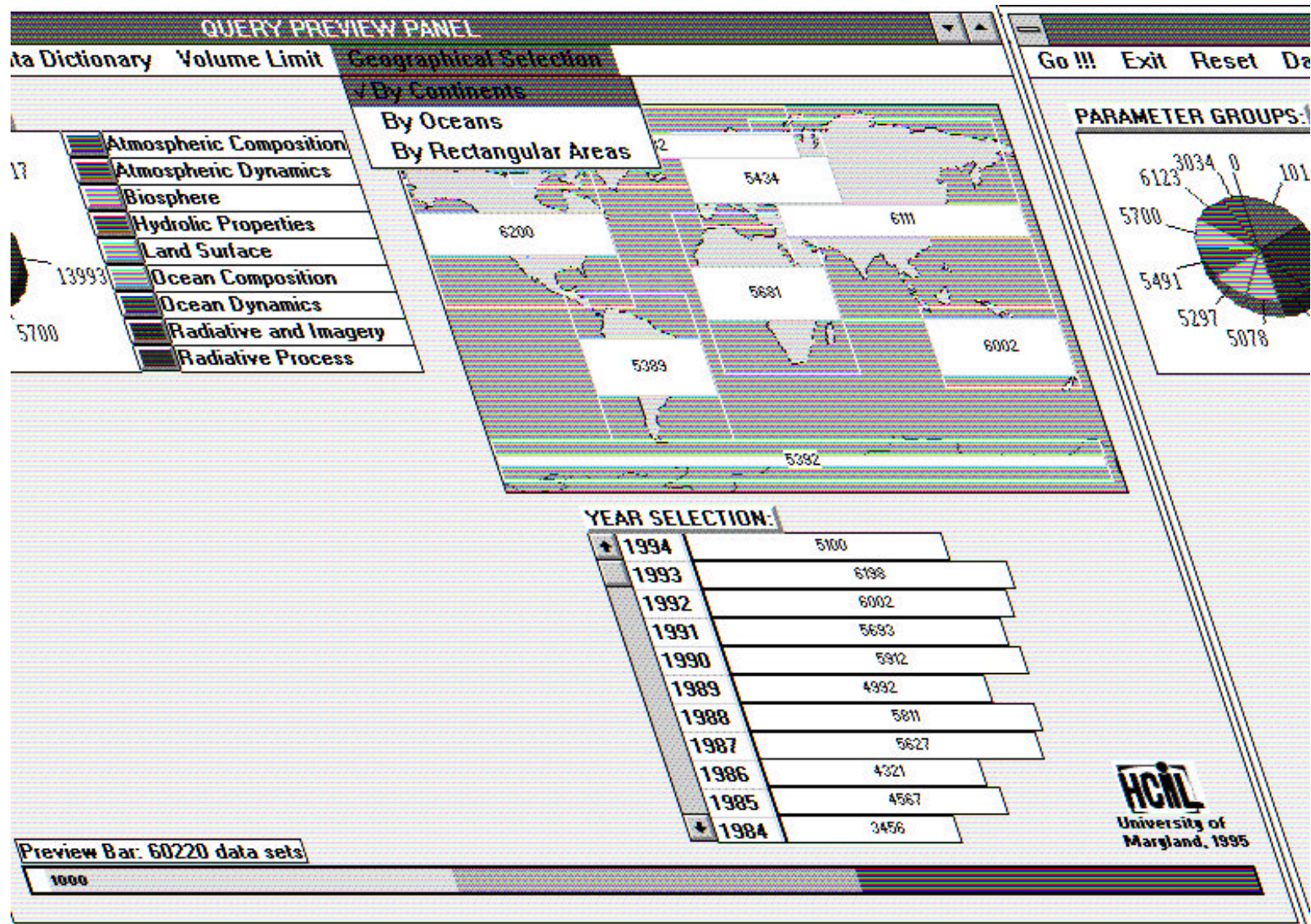


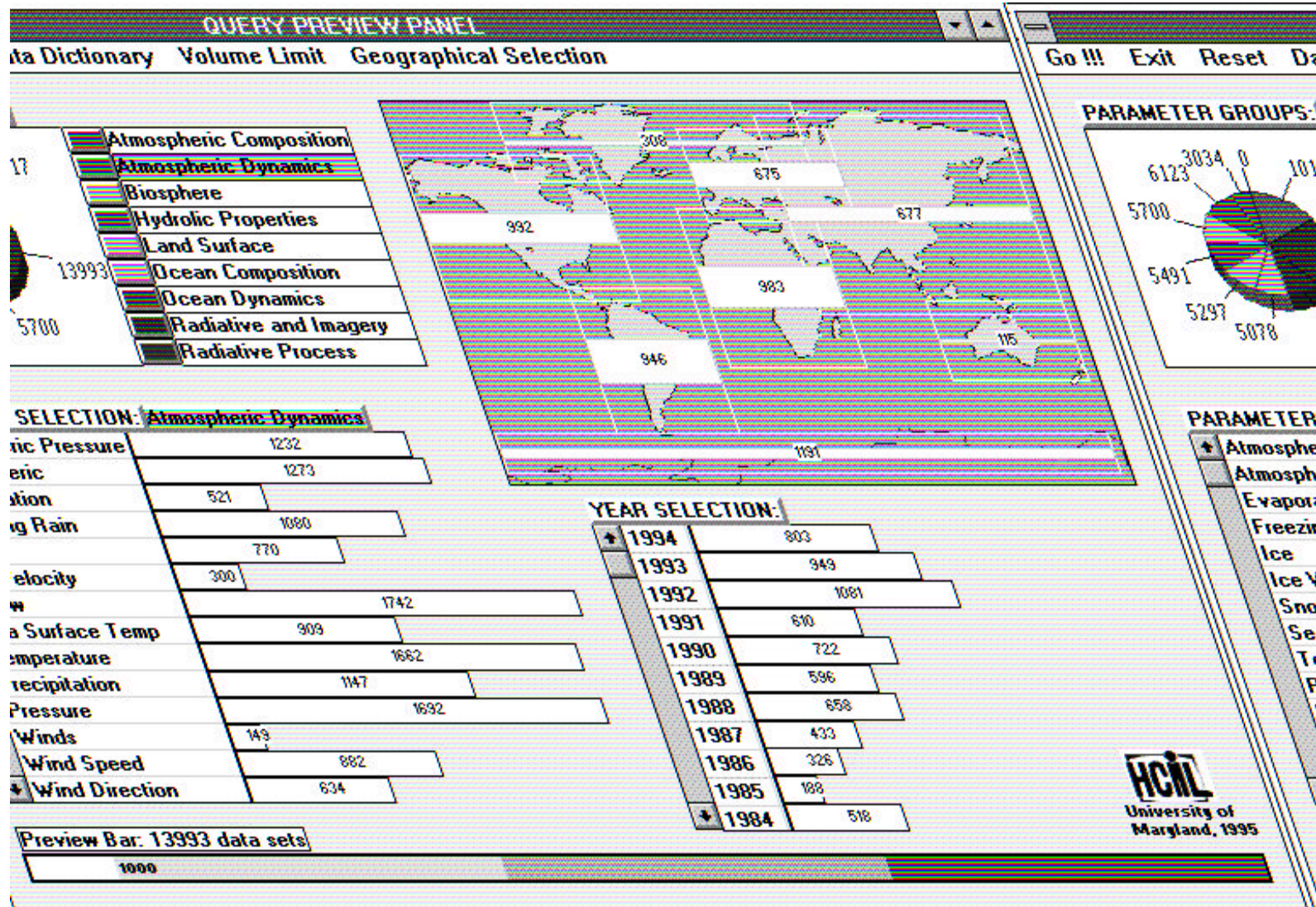
Overview on UI to *EOSDIS*

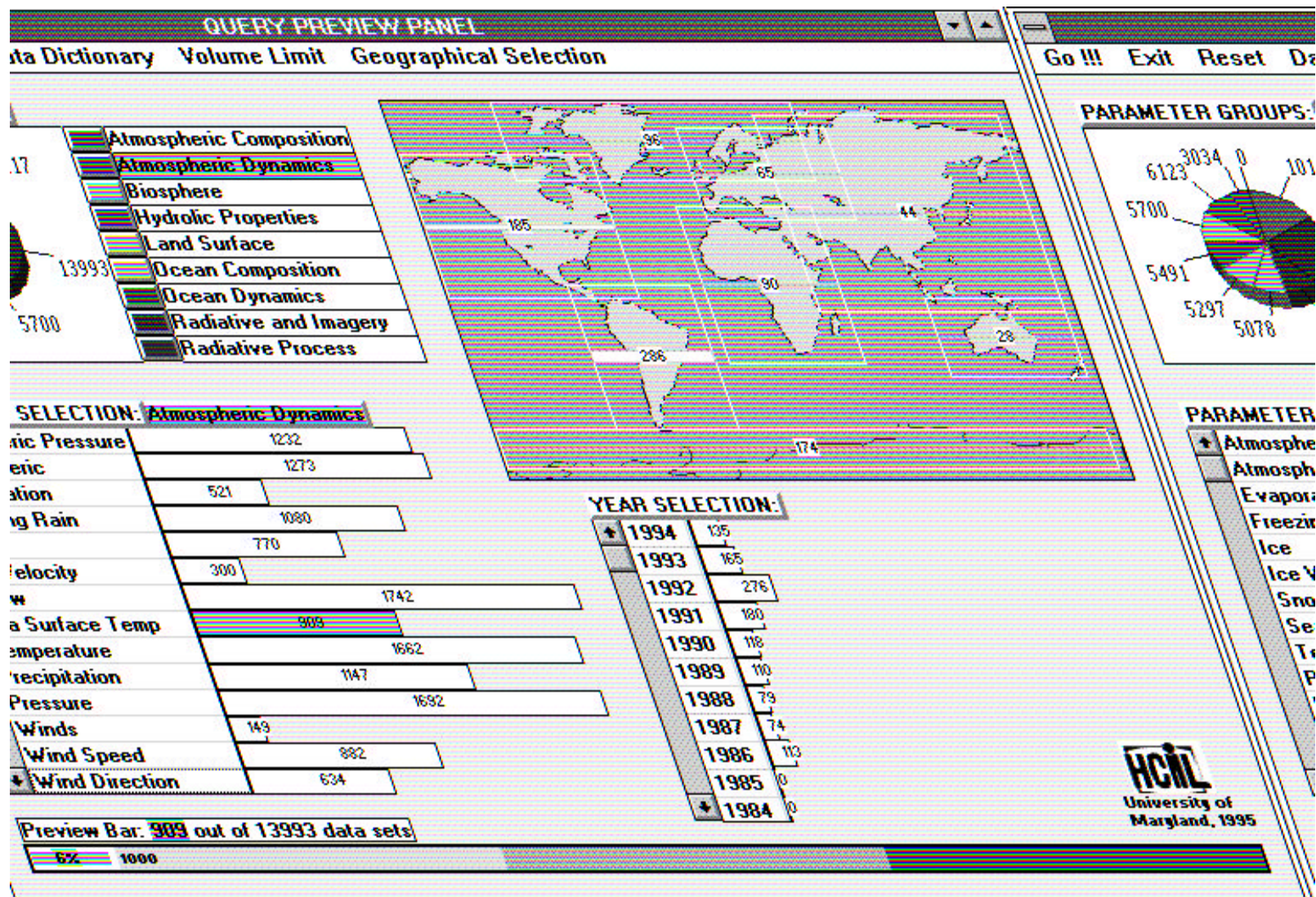


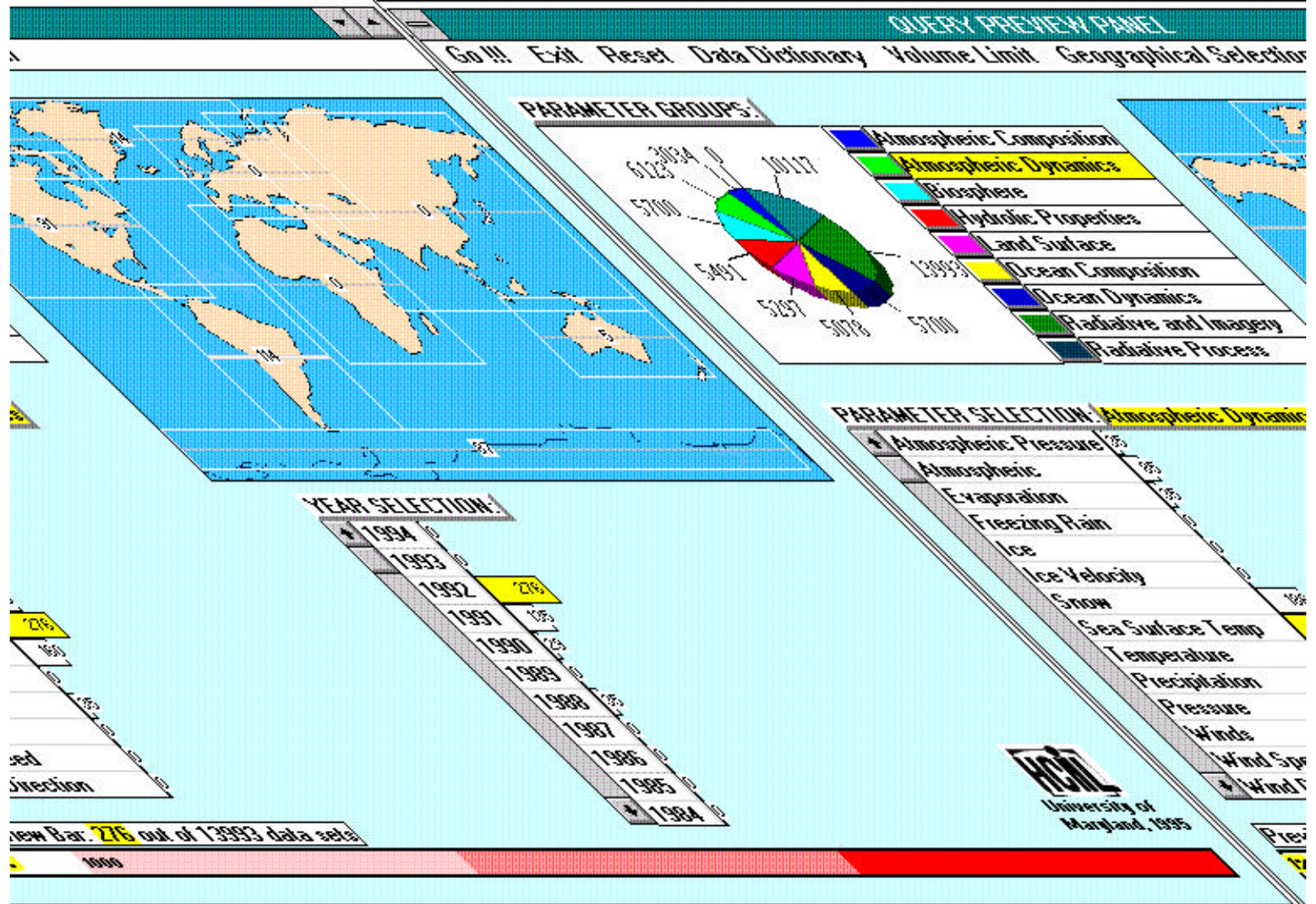
- The Query Preview Panel
 - Data Set Level
 - Meta Data and Meta Values
 - Attribute Preview Bars
 - A Query Preview Bar
- The Query Refinement Panel
 - Granule Level
 - Precise Value
 - Starfield Display for
Details on Demands

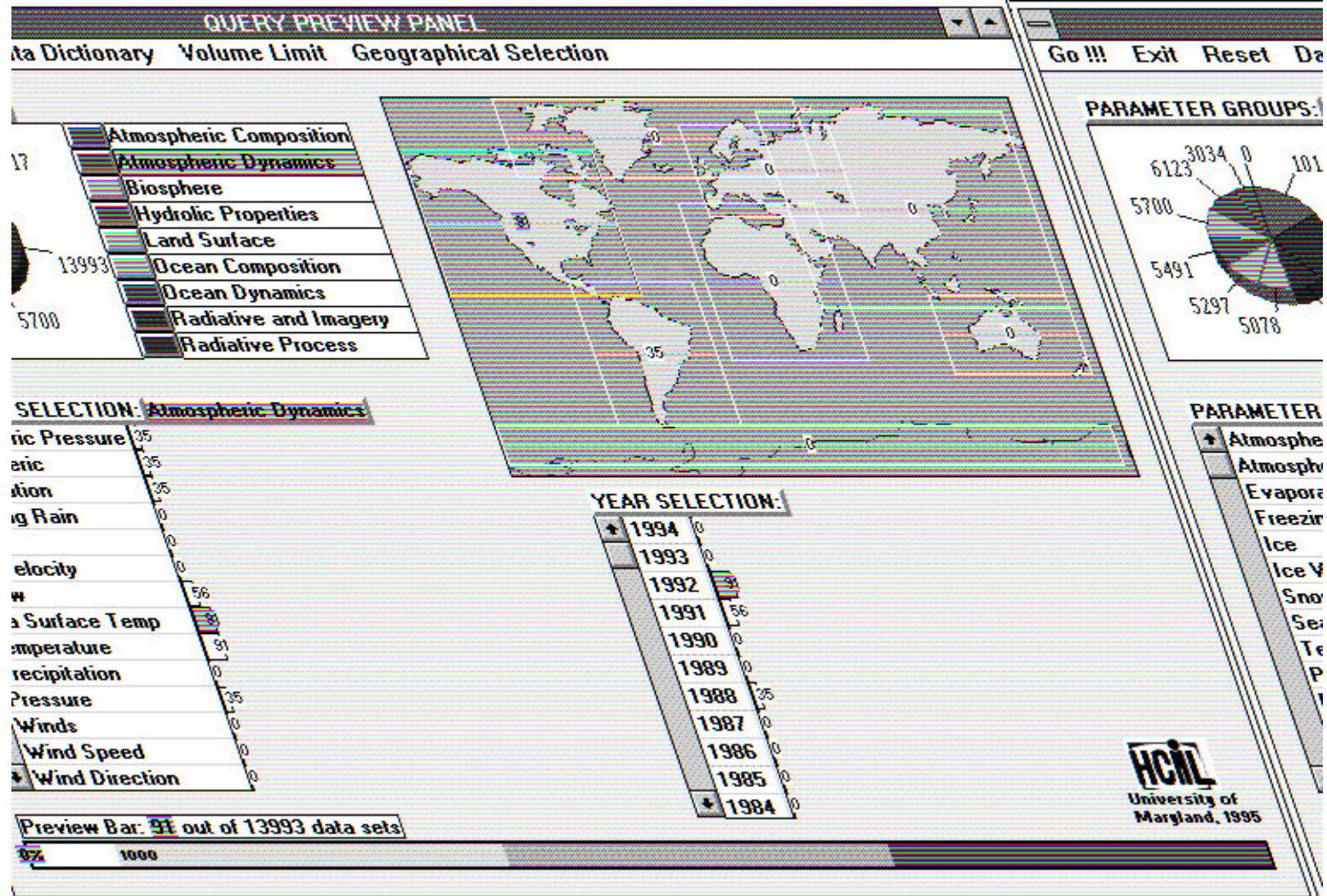






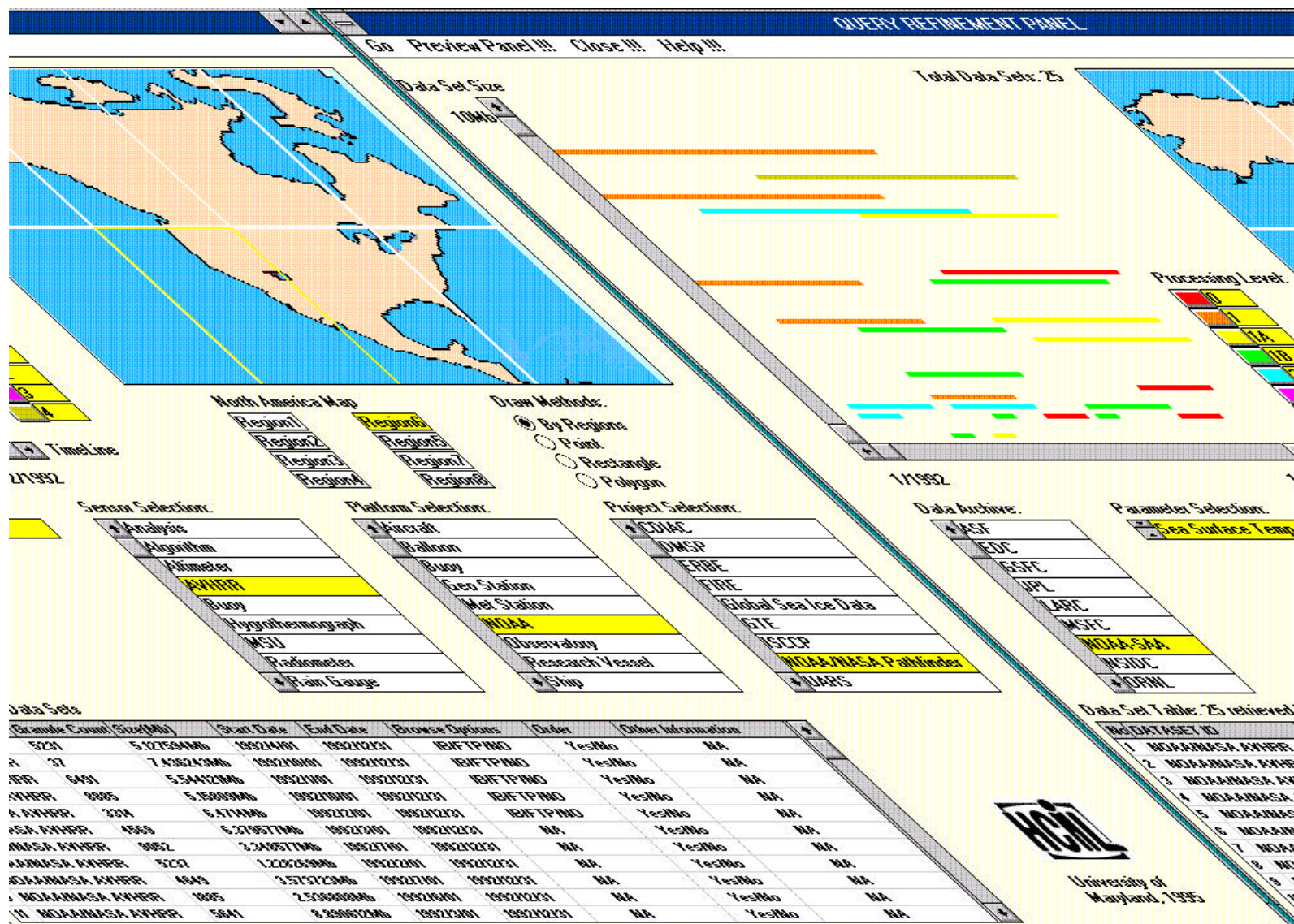


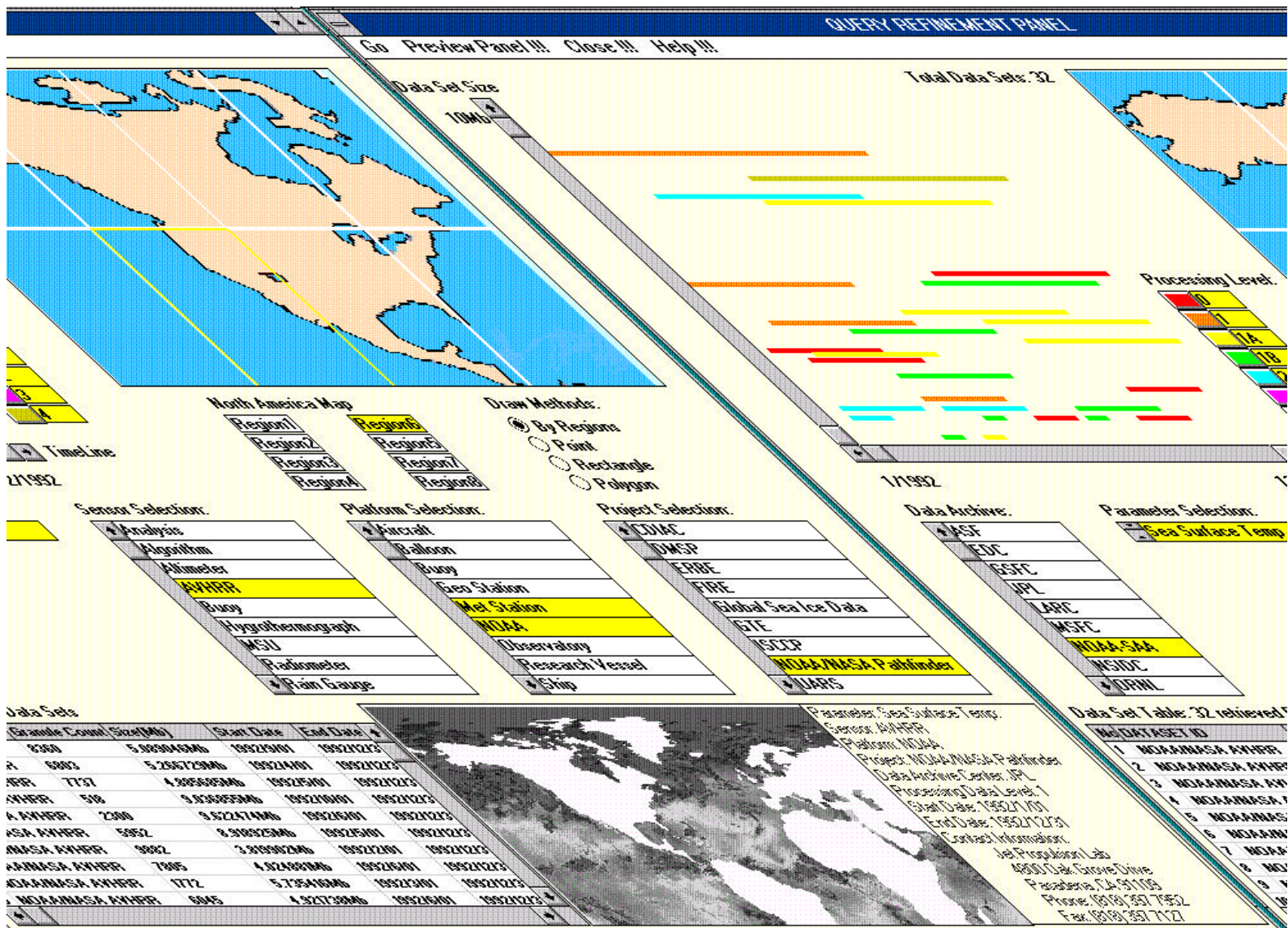






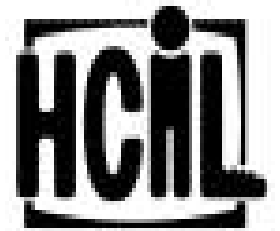








Benefits Gained



- Provide useful statistical information
- Eliminate undesired data sets
- Reduce data sets to a manageable size
- Eliminate zero-hit queries
- Support dynamic queries
- Discover data set patterns and exceptions

